

FIGURE 1

mAb	Mean Fluorescence Intensity		% Gated	
	L1.2-CCR5	PBMC	L1.2-CCR5	PBMC
mouse IgG1	10	4	1	1
2D7	75	29	92	36
PA8	48	9	73	3
PA9	79	5	96	3
PA10	80	8	96	5
PA11	107	8	96	10
PA12	115	8	96	8
PA14	81	14	96	22

FIGURE 2

INHIBITOR COMBINATION	CONCENTRATION RATIO	ASSAY	COMBINATION INDEX	
			90% Inhibition	50% Inhibition
PA12:2D7	10:1	Entry	0.043	0.291
	2:1	Fusion	0.017	0.019
	10:1	Fusion	0.087	0.067
	50:1	Fusion	0.158	0.046
PA12:PA14	10:1	Entry	0.437	0.535
	10:1	Fusion	0.22	0.263
PA14:2D7	1:1	Entry	2.85	1.85
	1:1	Fusion	1.34	1.74
PA12:PA11	1:1	Entry	0.707	0.641
PA12:RANTES	1000:1	Fusion	0.331	0.156
PA14:RANTES	100:1	Fusion	1.6	1.37
2D7:RANTES	100:1	Fusion	0.972	0.962
PA12:CD4-IgG2	10:1	Fusion	0.3	0.31
PA14:CD4-IgG2	1:1	Fusion	0.957	0.566
2D7:CD4-IgG2	1:1	Fusion	1.127	0.302

FIGURE 3

	Epitopes	IC ₅₀ values (μg/ml)			
		cell-cell fusion inhibition	viral entry inhibition	gp120-binding inhibition	calcium flux inhibition
PA8	Nt	-	-	-	-
PA9	Nt/ECL2	-	-	0.24	-
PA10	Nt/ECL2	-	-	0.13	-
PA11	Nt	25.5	-	0.33	-
PA12	Nt	10.0	-	0.24	-
PA14	Nt/ECL2	1.7	.024	1.58	6.4
2D7	ECL2	1.6	.026	1.38	45

[illegible]

IN

	H	Y	A	A	A	Q	W	D	F	G	N	T	M	C	Q
2D7	70	89				245	130	40	551		55	22	82	0	772
PA8	33	92				245	118	92	115		98	88	169	10	249
PA9	51	86				227	81	16	159		138	89	57	0	281
PA10	57	83				256	139	18	133		112	97	31	0	240
PA11	59	81				281	91	25	78		90	94	71	10	310
PA12	64	87				254	91	30	77		78	79	102	25	255
PA14	66	79				254	83	23	86		67	88	80	8	671

ECL 1

	170					175					180					185					190						
	R	S	Q	K	E	G	L	H	Y	T	C	S	S	H	F	P	Y	S	Q	Y	Q	F	W	K	N	F	Q
2D7	12	59	17	0				102	64	63	0	83	95	53	52	32	32	80	92	52	49	44	39	38	38	45	102
PA3	36	40	59					165	48	153	48	90	100	51	41	15	80	100	73	39	38	95	38	20	15	32	32
PA9	56	21	53	15				22	13	0	25	93	112	57	46	27	78	153	75	72	13	50		12	3	3	59
PA10	16	59	53	19				30	21	0	25	84	98	32	101	40	77	82	53	33	16	39	45	16	15	3	70
PA11	27	56	45					48	138	130	37	78	95	20	48	20	91	99	66	54	24	73	45	23	50	92	
PA12	22	56						52	102	138	59	73	85	25	49	42	101	90	45	23	23	45	20	20	33	76	
PA14	11	85	88					80	24	22	9	109	83	32	70	32	90	93	88	32	32	79	36				

ECL 2

[illegible]

ECL 3

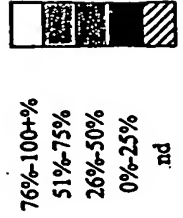


FIGURE 5A

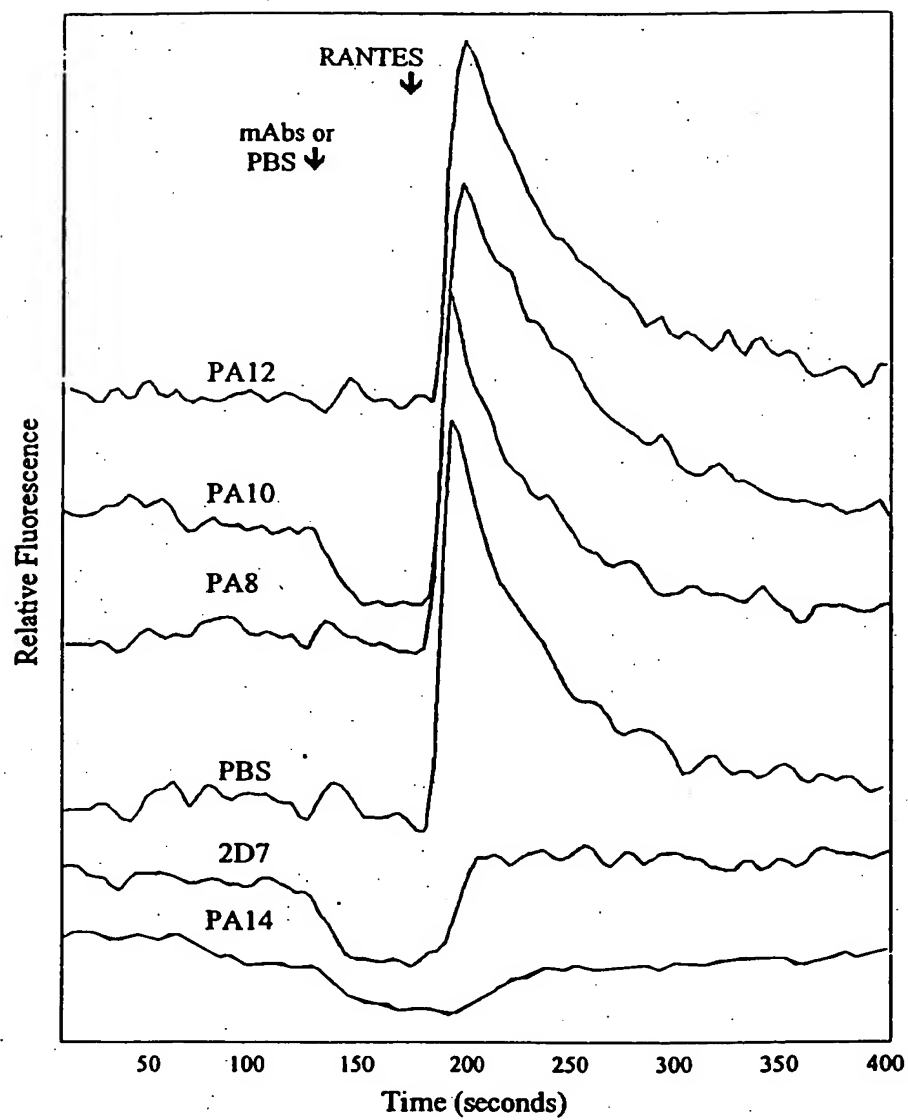
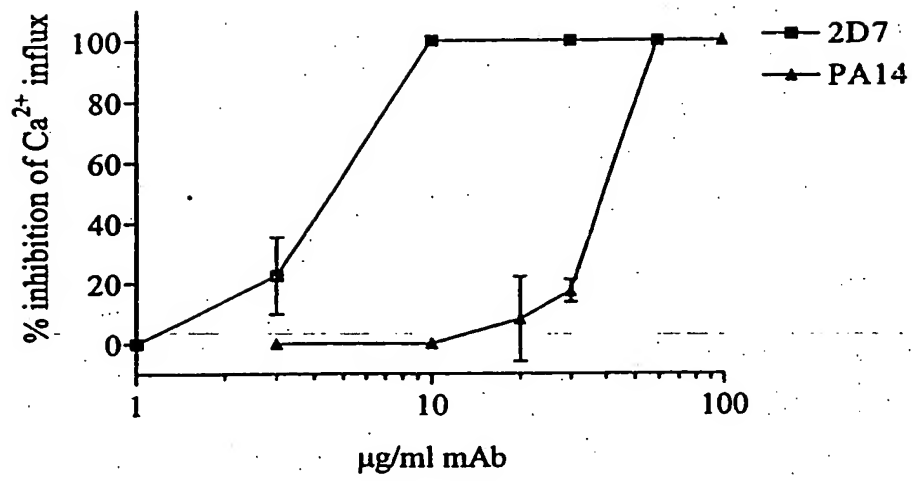
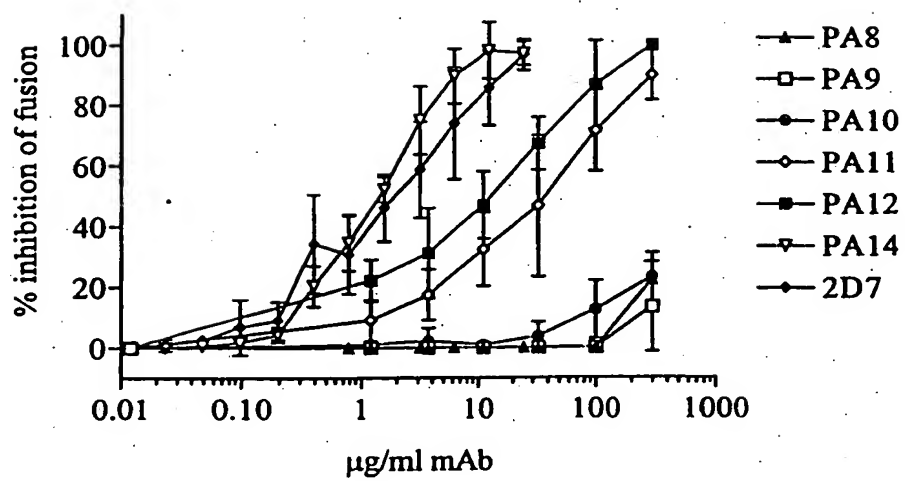


FIGURE 5B



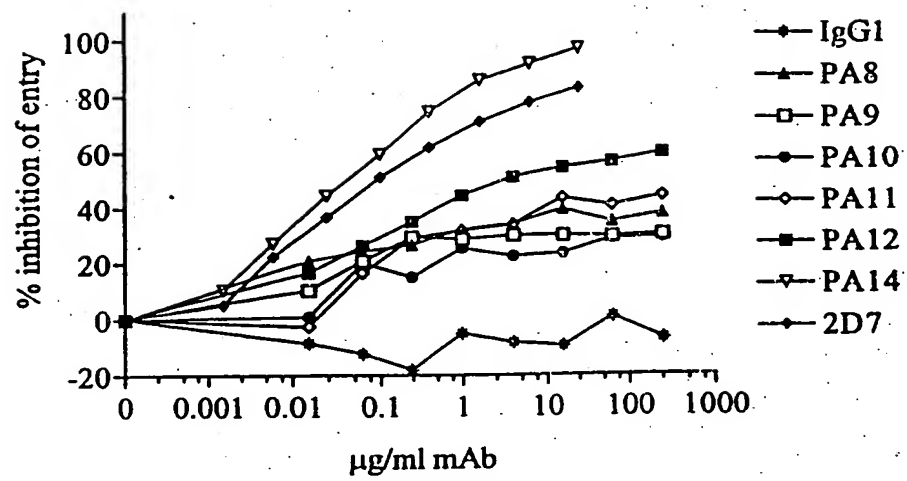
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FIGURE 6A



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FIGURE 6B



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FIGURE 6C

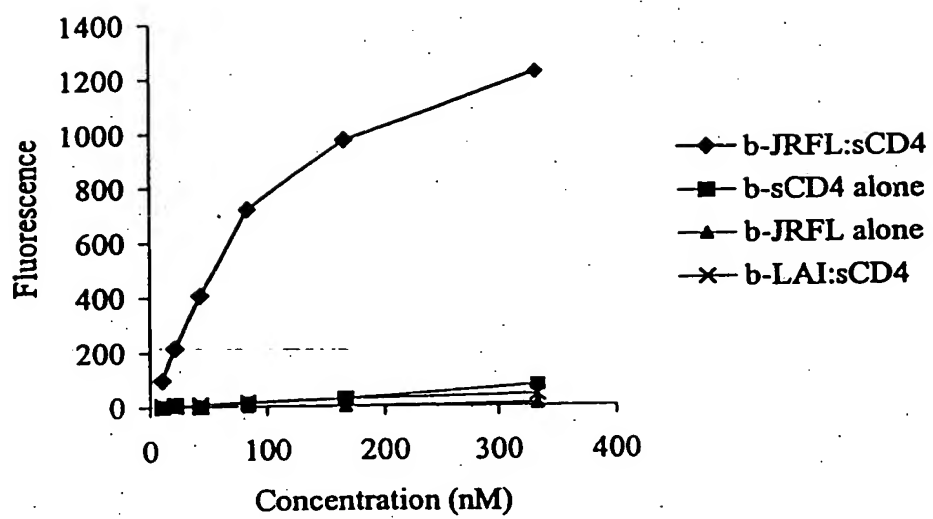


FIGURE 6D

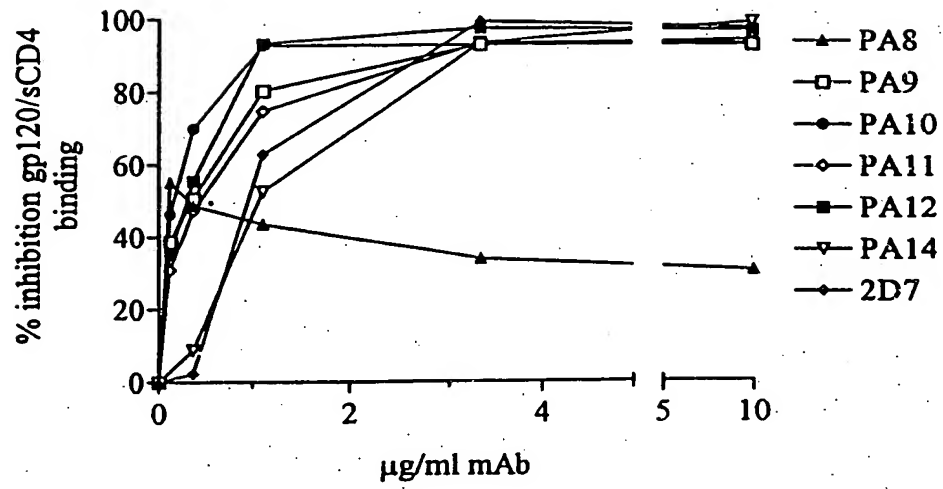


FIGURE 7

